

### Summary

The invention refers to a sample device to be inserted inside an external tube, having a substantially circular cross-section, and carrying a substantially circular plate as part of a turntable to be rotated within the external tube around two substantially orthogonal axes. Two substantially coaxial tubes, with the turntable being supported by the outer tube, and two meshing gears, with the first gear being connected to the inner tube and the second gear being connected to the turntable, and/or a special cable guide being connected with its first end with the turntable and its second end, being substantially perpendicular to the first end, with the supporting means, with the inner tube, the outer tube and/or the cable guide being connected with a driving unit, are provided for maximizing the surface of the plate to be rotated within the external tube.